

Claims.

1. A blow mold assembly for an I.S. machine for blowing a parison of glass and cooling the blown parison into a formed bottle which can be removed from the blow mold, the top of the formed bottle being defined by a finish having an inner annular surface and an outer annular surface, comprising
- 5 a blow head arm,
- 10 at least one blow head supported by said blow head arm,
- each of said blow heads including a lower portion having an annular recess and an inlet for supplying cooling air to the interior of the parison,
- 15 displacement means
- for lowering said blow head arm from a retracted position to an "on" position whereat the lower portion of the blow head engages the top surface of a blow mold, and
- 20 for raising said blow head arm, at a predetermined time after the blow head engages the top surface of the blow mold, a selected vertical distance above the top surface of the blow mold from said "on" position to an exhaust position to allow cooling air to
- 25 escape from the blow mold, and
- said annular recess being selectively concavely contoured to redirect escaping air at the outer annular surface of the finish.
- 30 2. A blow mold assembly according to claim 1, wherein said selected vertical distance is selected so that at least a minimum pressure will continue within the formed bottle.
- 35 3. A blow mold assembly according to claim 1, further comprising input means for inputting said selected vertical distance and said predetermined time.